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TCS-84005/65  
March 1965

**[REDACTED]**  
CENTRAL INTELLIGENCE AGENCY  
PHOTOGRAPHIC INTELLIGENCE REPORT

# AIRCRAFT ENGINE PLANT NO 478 ZAPOROZHYE, USSR



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DDR - DUPE

PHOTOGRAPHIC INTELLIGENCE DIVISION

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### AIRCRAFT ENGINE PLANT NO 478 ZAPOROZHYE, USSR

Aircraft Engine Plant No 478 [ ] is located in the southern section of Zaporozhye, USSR, at 47-49-30N 35-11-40E (Figure 1). The plant is road served and enclosed by a fence. Two rail spurs which were under construction in [ ] will serve the plant when completed. Components of the plant are described in Table 1, and item numbers used in the table appear in Figure 2.

In [ ] the Zaporozhye Aircraft Engine Plant No 478 contained approximately 1,287,575 square feet of floorspace. A comparison of that photography with KEYHOLE photography of [ ] indicated that 465,725 square feet of floorspace had been added to the plant. By [ ] the total floorspace in the plant was approximately 1,753,300 square

feet. [ ] 6 buildings have been added to the plant, and 2 existing structures have been expanded. Buildings erected since that time include 2 workshops, an engineering/administration building, a probable assembly building and 6 through engine test cells, an administration building, and 1 storage building. A total of 30,400 square feet of floorspace has been added to an existing workshop.

In [ ] the subassembly building (item 21), the probable assembly building and 6 through engine test cells (each 130 by 40 feet) (item 22), and the administration building (item 23) were under construction; work on the expansion of an existing workshop (item 20) in the northern part of the plant was observed for the first time. By [ ] the subassembly

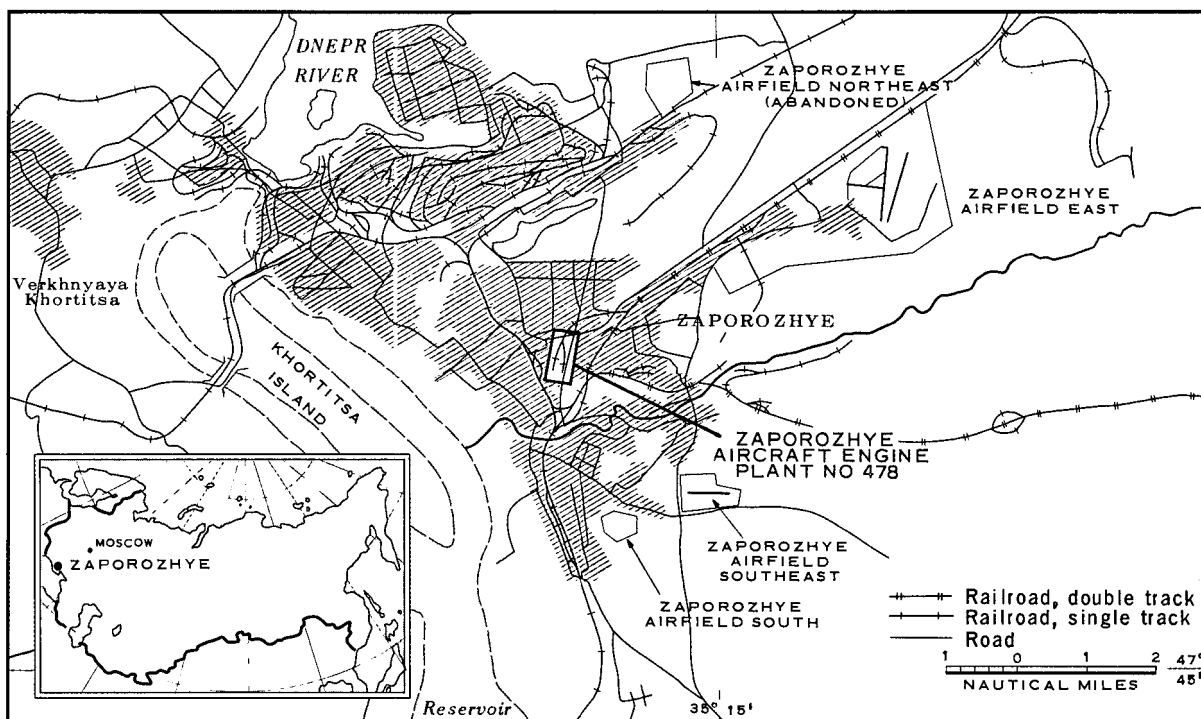


FIGURE 1. LOCATION MAP.

NPIC J-8756 (3/65)

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building and the expansion of the workshop had been completed, and 2 workshops (items 1 and 9), an engineering/administration building (item 19), and a storage building (item 24) were

under construction. By  all buildings in the plant had been completed, and test cells were probably being removed from an old assembly building (item 16).

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Table 1. Components of the Zaporozhye Aircraft Engine Plant No 478 (Item numbers appear in Figure 2)

Item No	Description	Dimensions* (ft)	Floorspace (sq ft)
1	Workshop	650 x 240	156,000
2	Administration bldg, 3-story	225 x 50	33,750
3	Administration bldg, 3-story	Irregular	58,950
4	Steamplant	80 x 35	2,800
5	Storage bldg	190 x 50	9,500
6	Administration bldg, 4-story	175 x 45	31,500
7	Workshop/machine shop	Irregular	88,200
8	Storage bldg	115 x 75	8,625
9	Workshop	165 x 75	12,375
10	Assembly & machine shop	1,310 x 320	419,200
11	Workshop	105 x 45	4,725
12	Assembly bldg & 7 engine test cells	695 x 250	173,750
13	Machine shop	320 x 155	49,600
14	Forge/foundry	Irregular	49,575
15	Foundry	500 x 110	55,000
16	Old assembly bldg & engine test cells	Irregular	65,000
17	Forge	Irregular	39,450
18	Machine shop	340 x 270	91,800
19	Engineering/administration bldg	200 x 65	13,000
20	Workshop	420 x 190	79,800
21	Subassembly bldg	550 x 340	187,000
22	Probable assembly bldg & 6 through engine test cells	310 x 130	40,300
23	Administration bldg, L-shaped		47,800
	leg	380 x 110	
	leg	100 x 60	
24	Storage bldg	130 x 80	10,400
25	Control bldg	200 x 75	15,000
Total floorspace of numbered bldgs			1,743,100
Total floorspace of other bldgs			10,200
Total floorspace of plant			1,753,300

\*All dimensions are approximate and were calculated by photogrammetrists in NPIC/TID.

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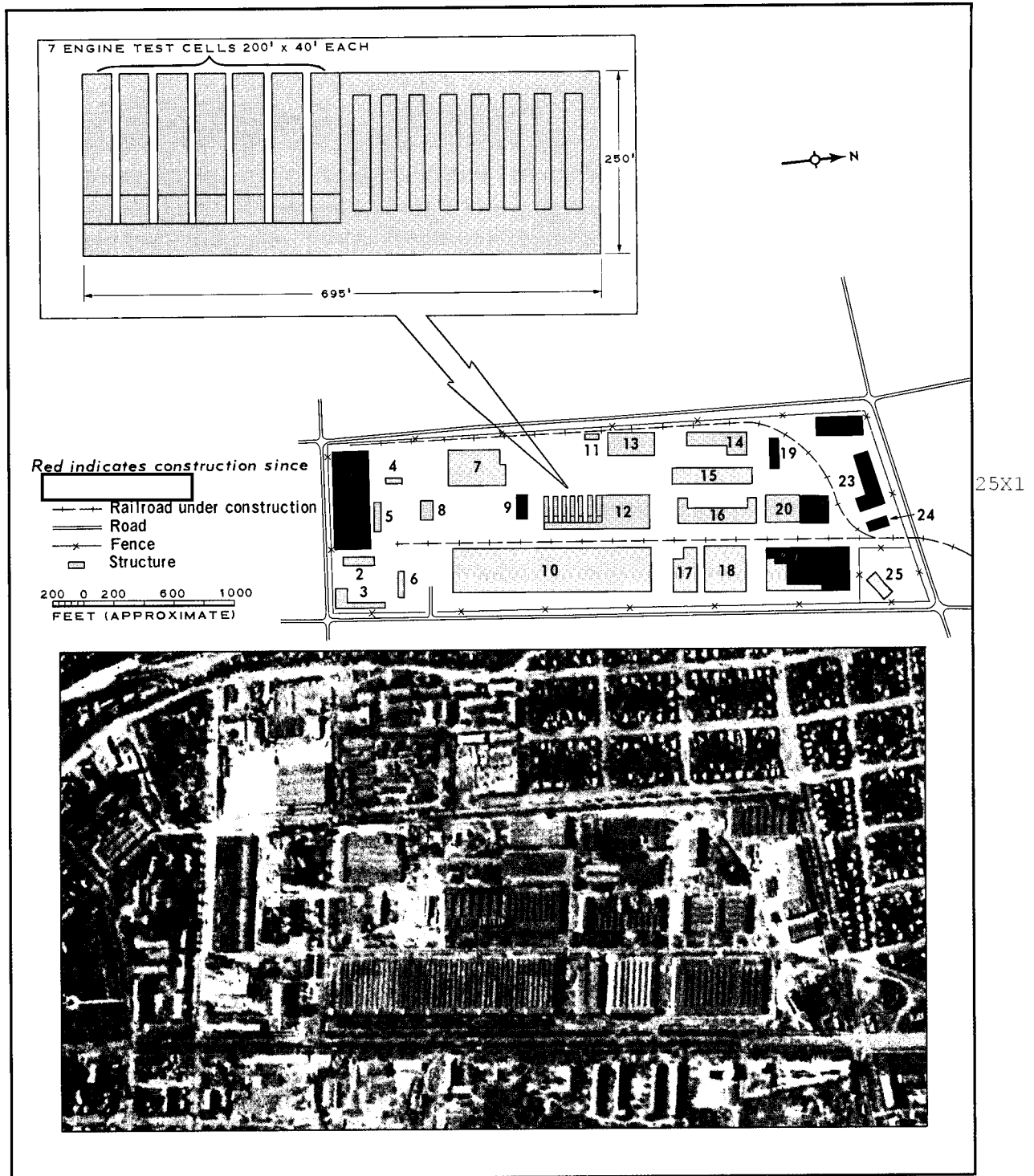


FIGURE 2. ZAPOROZHYE AIRCRAFT ENGINE PLANT NO 478, [REDACTED]

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REFERENCES

PHOTOGRAPHY



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MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0249-1HL, 4th ed, Dec 63, scale 1:200,000 (SECRET)

REQUIREMENT

CIA. C-RR4-81,348

PROJECT

C-1445/64

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